



# HONDA Outboard BF 135 LU Long Shaft With Remote 99.3 kW 135 Hp 2354 cm<sup>3</sup>

## Product description:

### HONDA OUTBOARD BF135AK2 LU LONG LEG

Honda BF135AK2 LU are outboard engines perfect for professional use, they are reliable, compact and lightweight complete with PGM-Fi electronic fuel injection system.

Honda BF135AK2 LU are optimized to offer more power for a wide range of different boats. The decisive, smooth power this advanced technology offers is sure to put a smile on your face as you venture out on the water.

VTEC™ is an efficient system included in the Honda BF135AK2 LU outboard that keeps fuel consumption down while delivering an exciting increase in power. First used on Honda's Formula One cars, it delivers increased power and torque at all velocity. In the BF100 it works by using two different cams:

- 1) When the motor is running at low velocity, the valves are actuated by a cam less aggressively ensuring low fuel consumption and excellent performance.
- 2) When more output is desired, as the motor velocity increases to 4500 rpm, the VTEC™ system hydraulically actuates a cam with a higher lift profile. This keeps the valves open longer, pushing more air into the combustion chamber to produce optimum power, like a Formula One race car. At this point, the engine takes on a completely different personality that will be evident both to the ear and in performance.

The Honda BF135AK2 LU outboard features BLAST™ ready-to-start technology that gets the engine up to speed in seconds. The BLAST™ (Boosted Low Speed Torque) system delivers high torque even at low velocity by releasing powerful thrust from startup. The ECU automatically advances the ignition timing, while simultaneously increasing the fuel-to-air ratio to give you more boost from low rpm. This innovative technology patented for Honda's 4-stroke engines has become the benchmark in the design of these engines.

Honda's dual-stage air induction works with a shuttle valve built into the Variable Air Intake (VAI)



manifold. When fully open, this valve changes the resonance and airflow generating more torque at low velocity. When the throttle valve is fully open and velocity rises, the cooling valve closes and creates a direct airflow to the motor.

Honda BF135AK2 LU is equipped with ECOmo's special poor-blend combustion control system ensures significant fuel economy right through RPM and performance. Once at RPM, much less fuel is consumed. By maintaining this velocity and staying there, you get the best result. Once you reach cruising speed, ECOmo automatically and intelligently adjusts the correct air/fuel ratio for that speed. Normally it starts working in the green zone (shown on the dial) or when the green Eco light comes on (in case you have multifunctional indicators).

The Honda BF135AK2 LU models are NMEA2000® compliant. There is no need to modify the wiring because everything is set up. Simply plug the motor into the CANbus network for full connectivity and control. Then the engine can be connected to other NMEA devices such as the navigation system, GPS, sonar devices, fishfinder and chartplotter. All information, including engine data, will be displayed via multifunctional gauges.

Precise low-speed control is as important as high-speed handling, especially while fishing. The optional rudder control, through the control bar, simply adjusts the speed in 50 rpm increments, making it ideal for fishing.

#### HONDA BF135AK2 LU TECHNICAL SPECIFICATIONS

Net output (kW): 99.3

Net output (Hp): 135

Displacement: 2354 cm<sup>3</sup>

Shaft Length: Long

Dry Weight (Kg) : 220

Firing: Electric

Initiation System: Electronic PGM-IG

Type of Control: Remote

Engine Mounting and Lifting: Electric

Transom Height (mm): 508

Length (mm): 845

Width (mm): 580

Height (mm): 1665

Bore x Stroke: 87 x 99 mm

Brand Engine: Honda

Engine Type: DOHC, 4-stroke

Number of cylinders: 4

RPM at full throttle (rpm): 5000-6000

Cooling system: Water

Battery charging capacity (A): 40

Exhaust system: Propeller hub

Propeller rotation: Counter-rotating

Are you looking for an outboard with different technical features? Here you can find the full range of Honda or other specialized brands.

The images are purely indicative.

**Product features:**

Fuel: Gasoline

Engine: DOHC, 4 tempi

Ignition: Electronic PGM-IG

Starting system: Electric

Engine capacity (cm<sup>3</sup>): 2354

Number cylinders: 4

Cylinders' position: In line

Cooling: Water (with thermostat)

Bore x stroke (mm): 87 x 99

Reduction ratio: 2.14

Rpm at full throttle (rpm): 5000 - 6000

Appearance and engine lifting: Electric

Transom height (mm): 508

Net power (kW): 99.3

Length (mm): 845

Width (mm): 580

Height (mm): 1665

Dry weight (Kg): 217

Shaft Length: L

Controls: Remote